

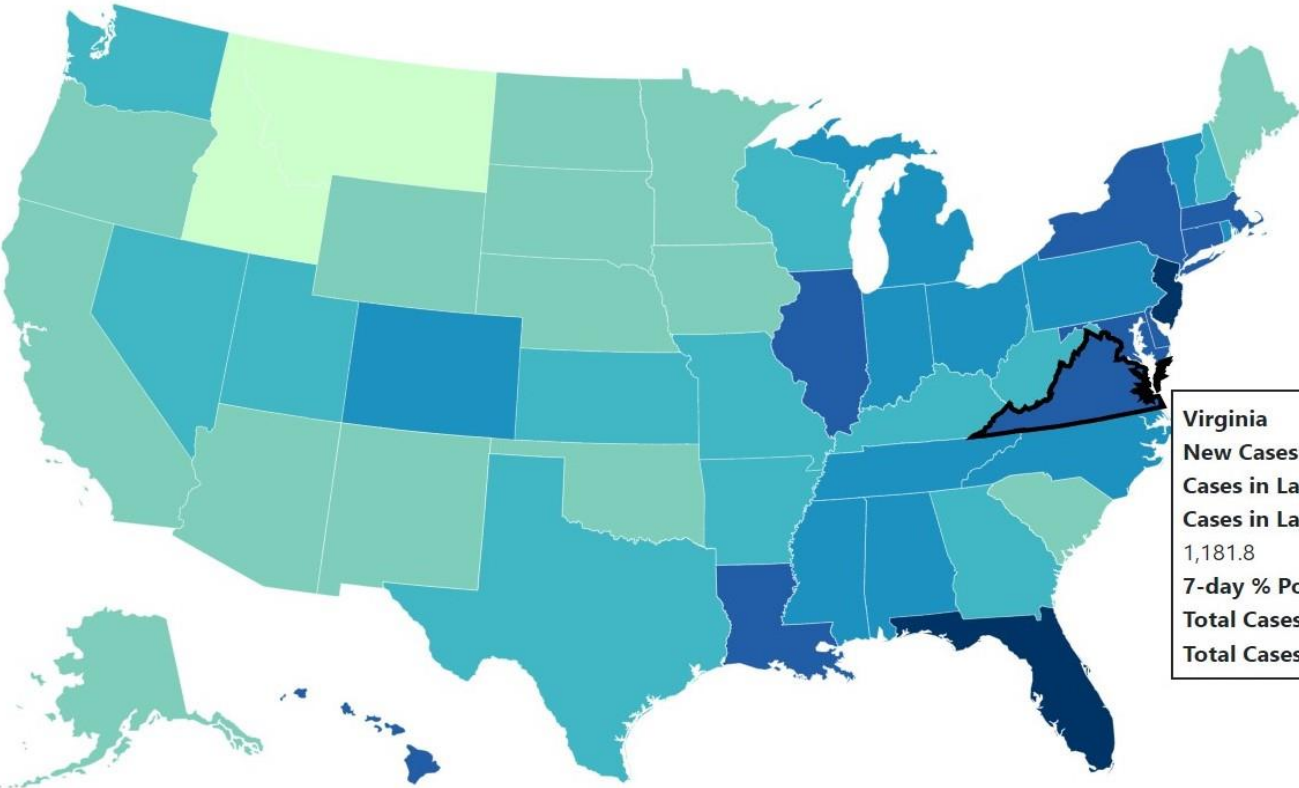
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# Virginia COVID-19 Surveillance Data Update

January 6, 2022



US COVID-19: 7-Day Case Rate per 100,000, by State/Territory



**Virginia**  
New Cases: 42,931  
Cases in Last 7 Days: 100,876  
Cases in Last 7 Days/100K: 1,181.8  
7-day % Positivity: 25% +  
Total Cases: 1,176,169  
Total Cases/100K: 13,780

	Cases in the Last 7 Days Per 100k Population
Virginia	1,181.8 (+89.4%)
U.S.	1,036.6 (+74.5%)
New York City* New York	3,215.1 (+41.6%) 2360.8 (+166.8%)
New Jersey	2152.5 (+77.7%)
District of Columbia	2,086 (+1.6%)

Our Neighbors

Rates Higher than Virginia

District of Columbia, **2086 (+1.6%)**  
Maryland, **1498.3 (+65.6%)**

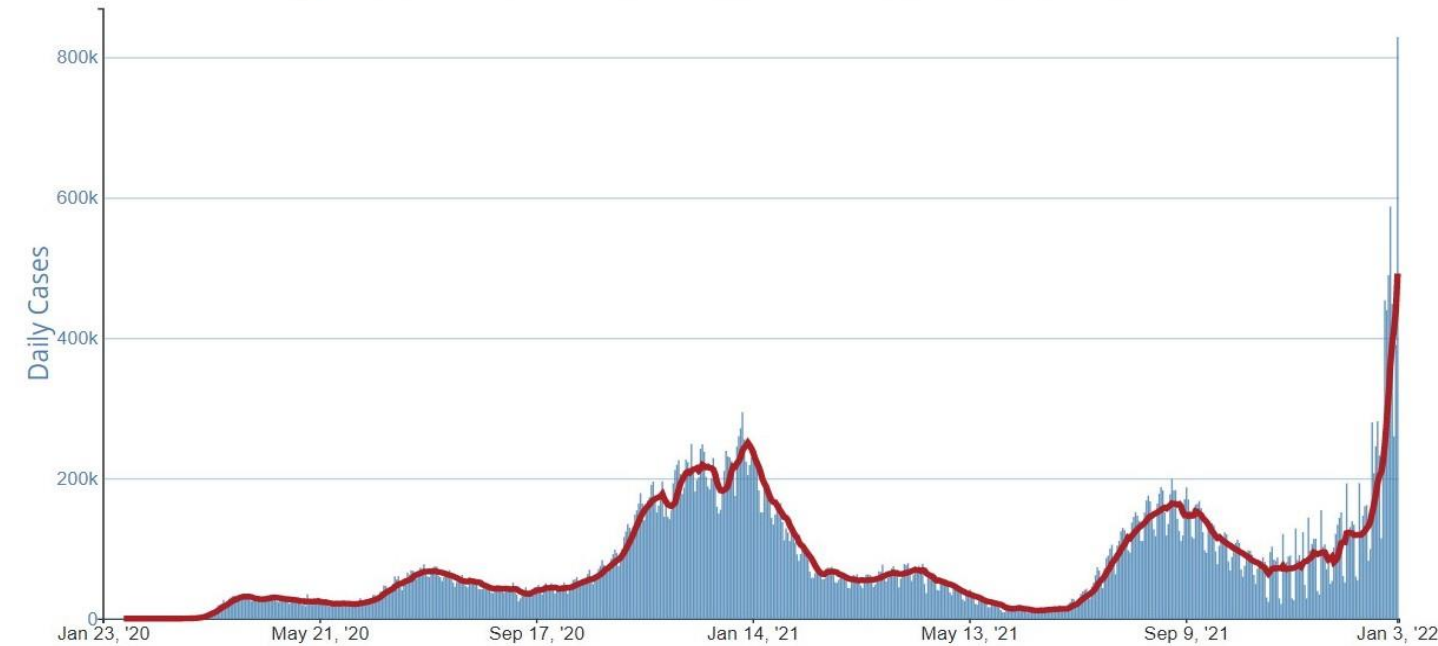
Rates Lower than Virginia:

Tennessee, **1056.4 (+136.9%)**  
North Carolina, **904.2 (+178.2%)**  
West Virginia, **828.1 (+107.5%)**  
Kentucky, **731.4 (+91.5%)**

# National: Cases, Hospitalizations, and Deaths

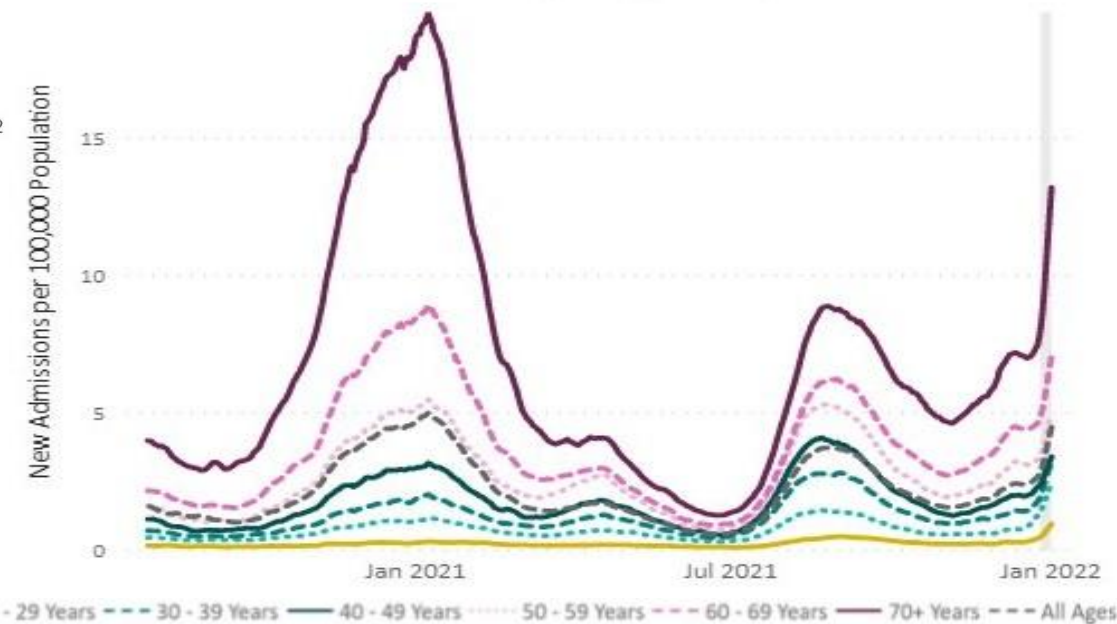
Updated 1/5/22

Daily Trends in Number of COVID-19 Cases in The United States Reported to CDC

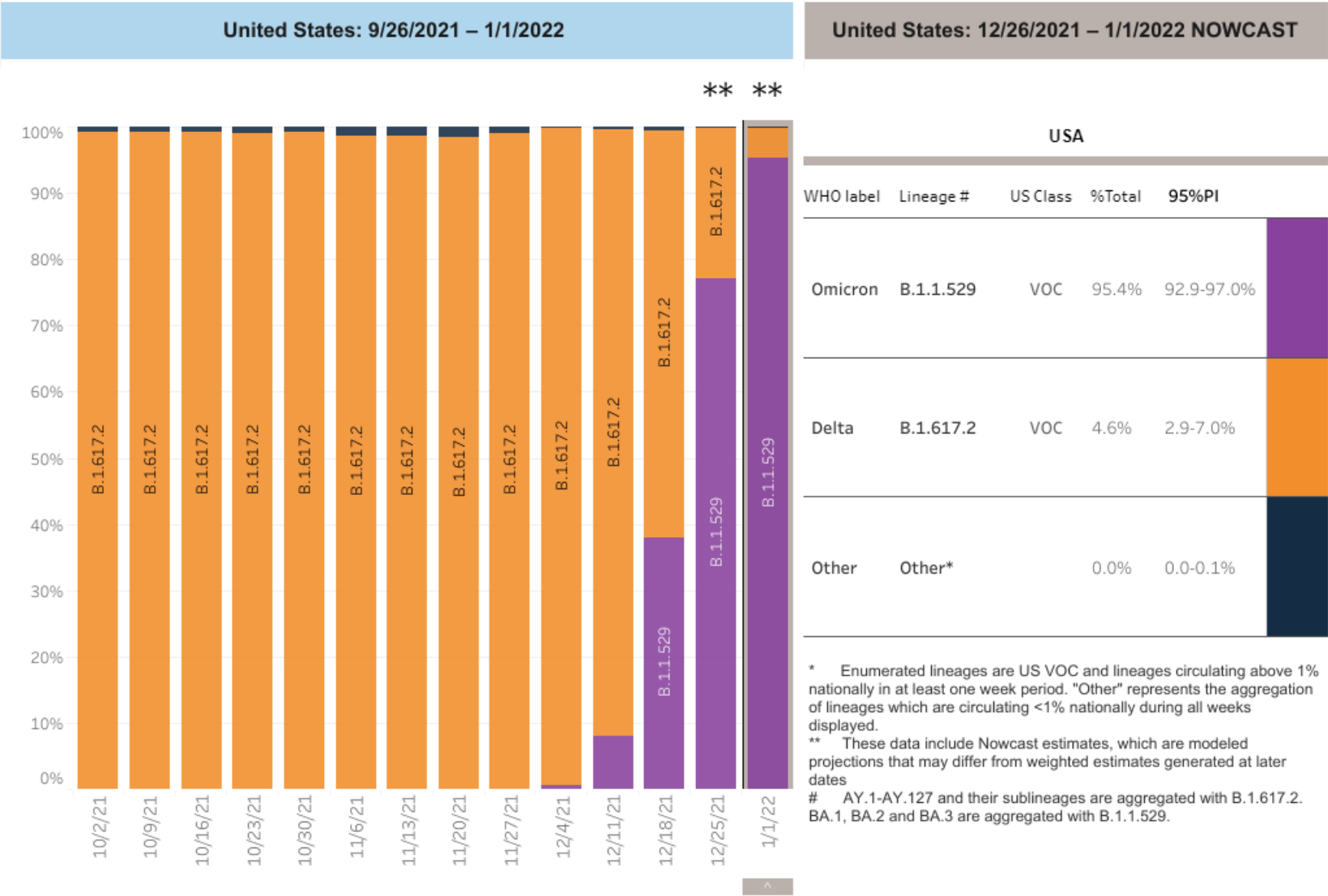


- Compared to last week, **cases** increased to 491,652 (7-day MA) per day **(+98%)**
  - 97% higher than the January peak of 2021
  - 199% higher than the September high of 2021
- **Hospitalizations** increased to 14,776 (7-day MA) per day **(+62.9%)**
- **Deaths** increased to 1,165 (7-day MA) per day **(+5.3%)**

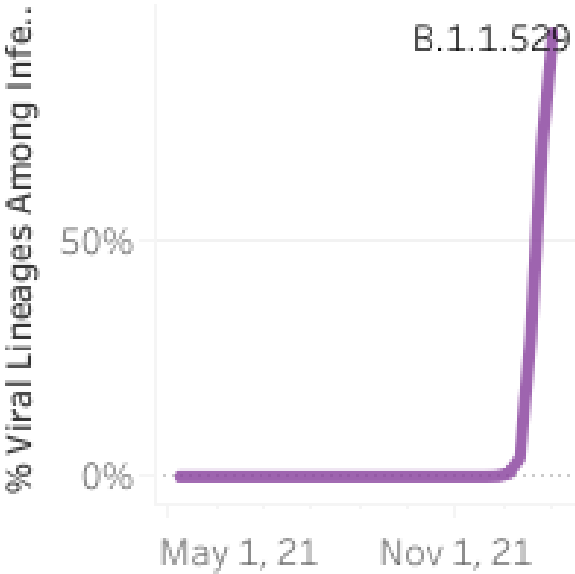
United States | All Age Groups



## National Omicron Prevalence: 77 to 95.4% in a week

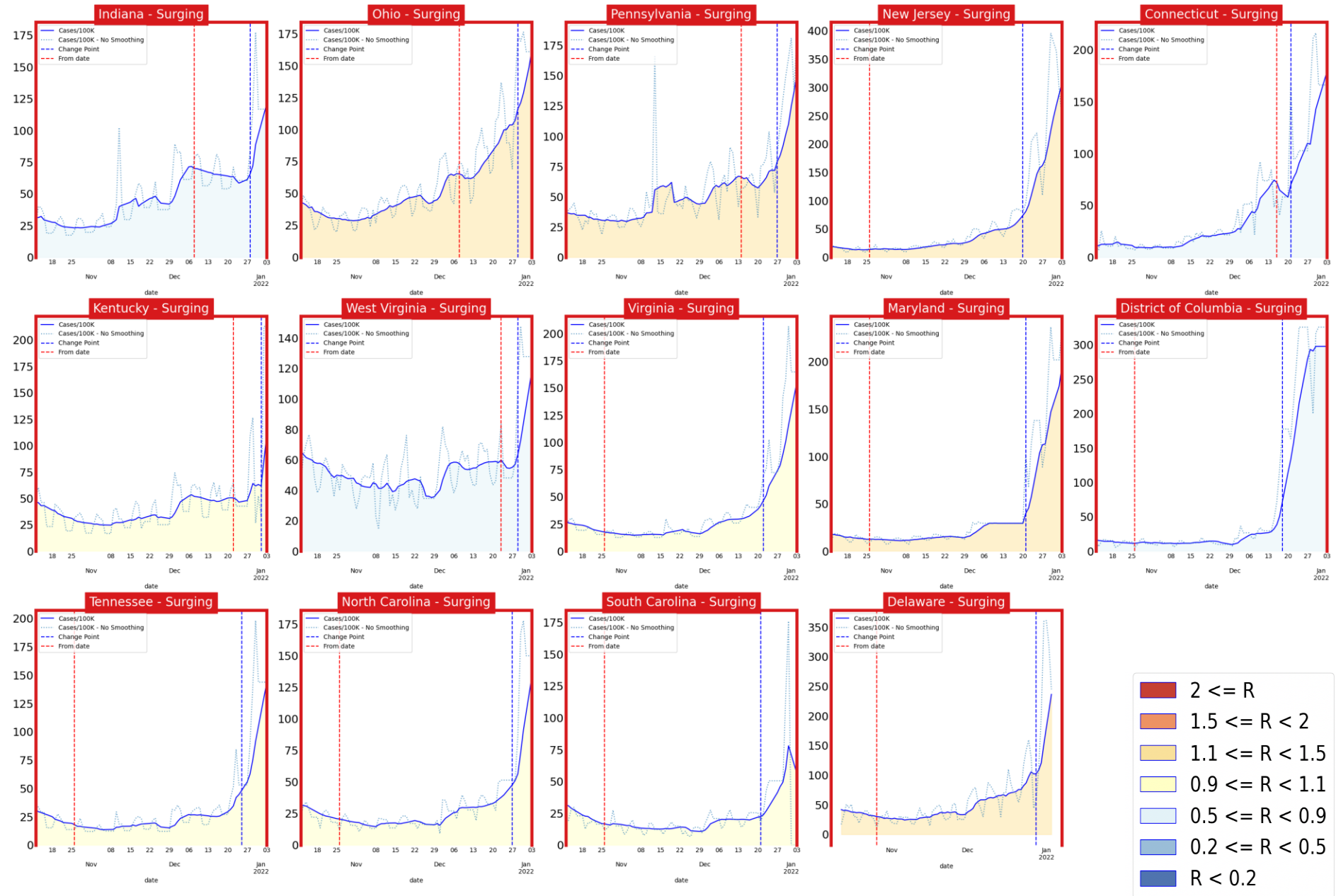


Projected 93.8% of specimens collected in Region 3 (DE, DC, MD, VA, WV) are Omicron



# Virginia and Her Neighbors

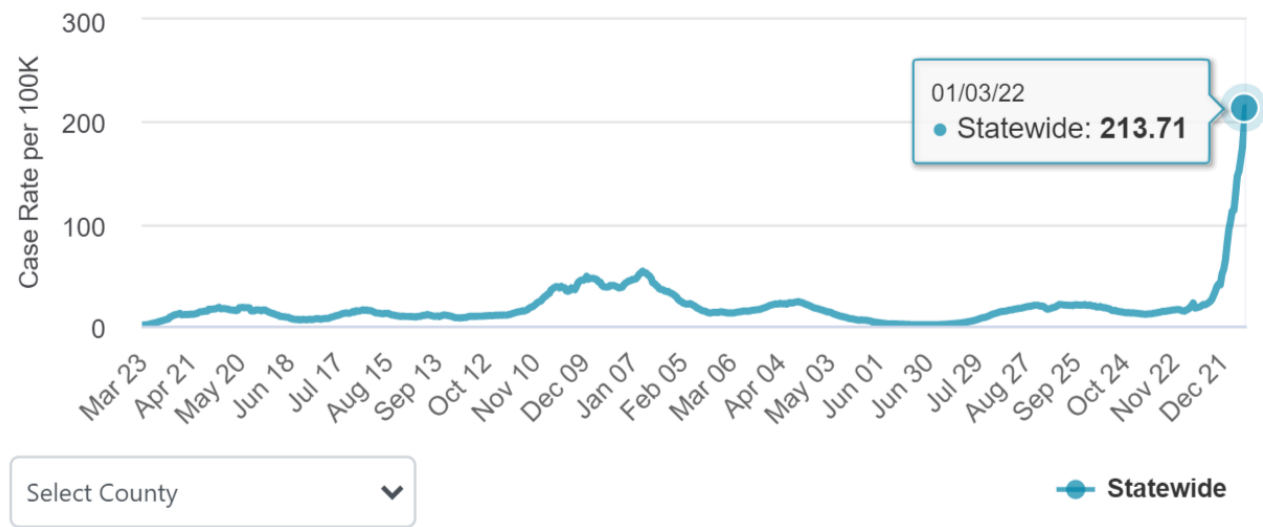
- All of Virginia and neighbors experiencing rapid growth of case rates
- Nearly all experiencing more than 100/100K daily incident case rates



# Maryland: Cases & Hospital Rates

Updated 1/4/22

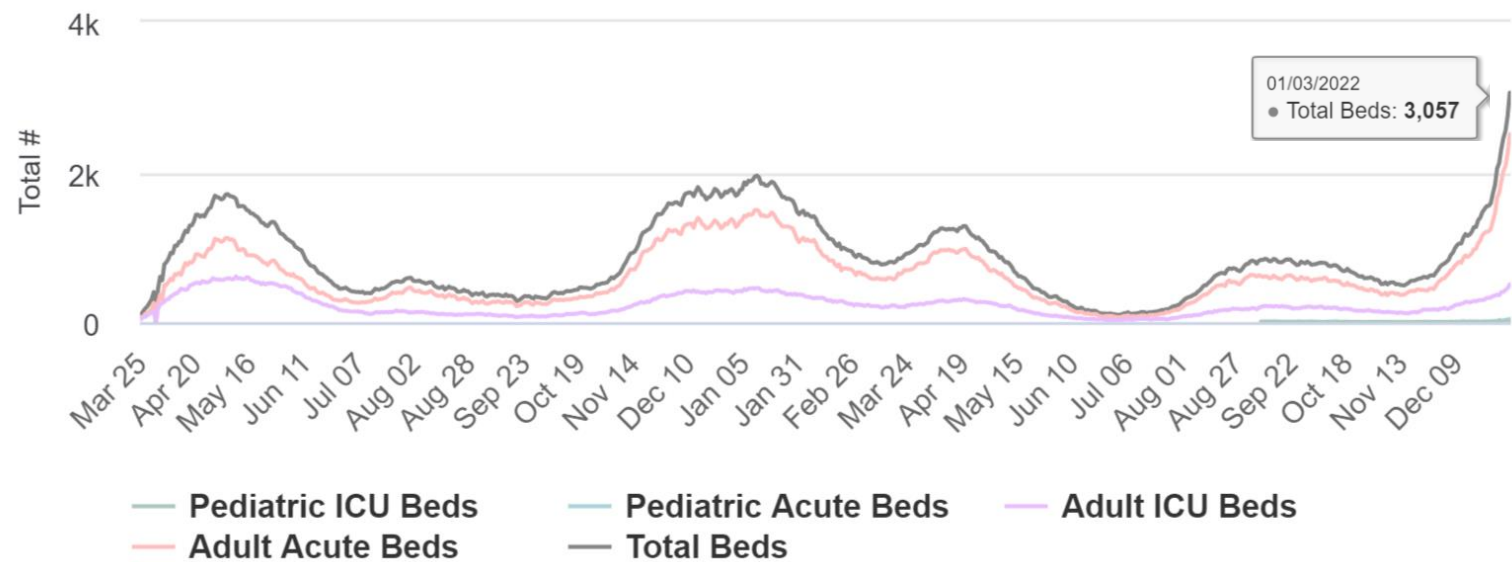
7 Day Moving Average Case Rate per 100K by Jurisdiction - [Full Screen View](#)



Maryland is having significant increases in COVID-19 case rates that far exceed previous pandemic highs.

Compared to last week, **cases increased to 213.71** (7-day MA) per day (+89%)

ICU and Acute Hospital Beds for COVID-19, Currently in Use

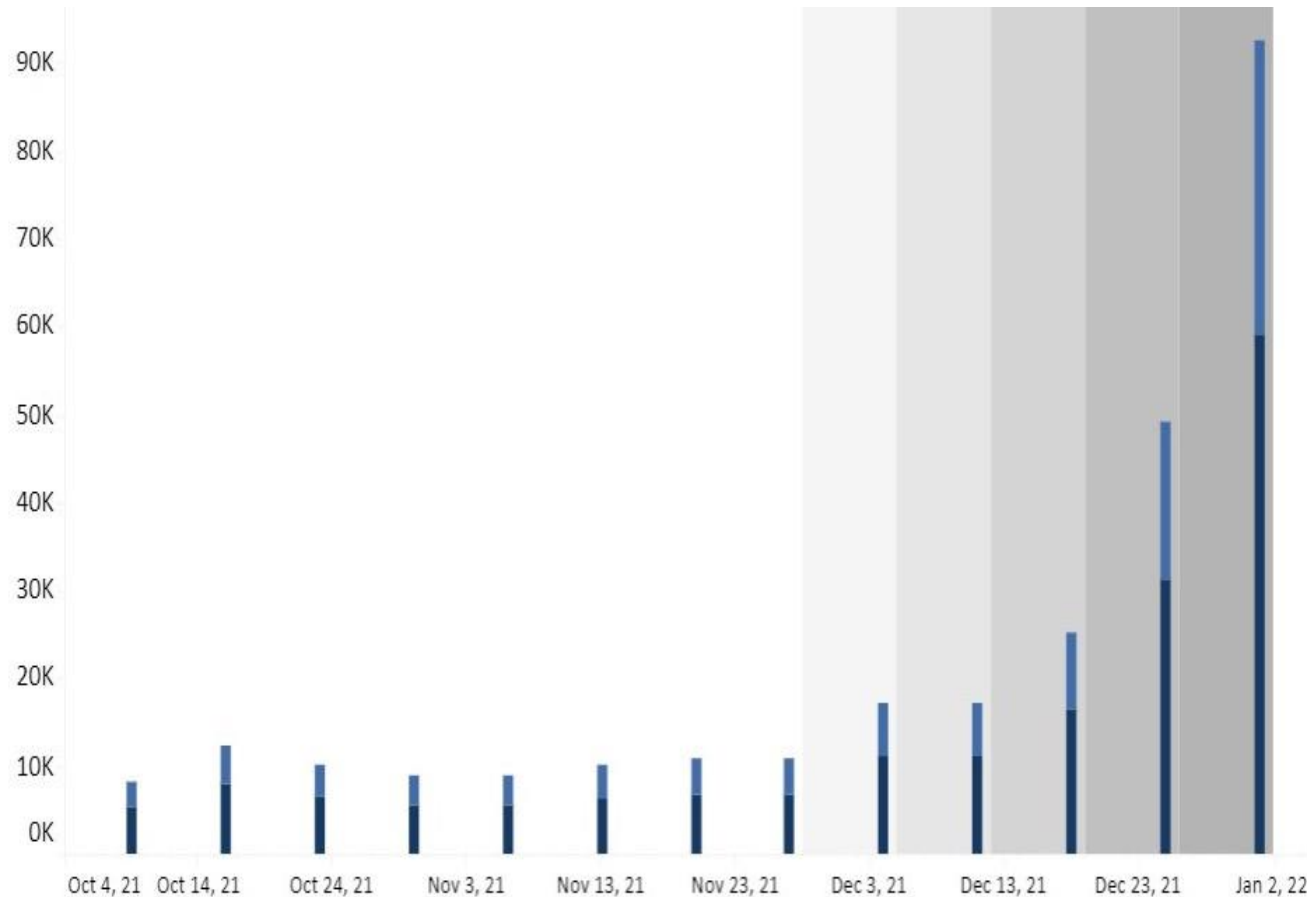


Compared to last week, **hospitalizations increased to 3,057** from 1,826 (+67%)

- 57% higher than the January high of 2021



## Cases by Date of Symptom Onset, Past 13 weeks



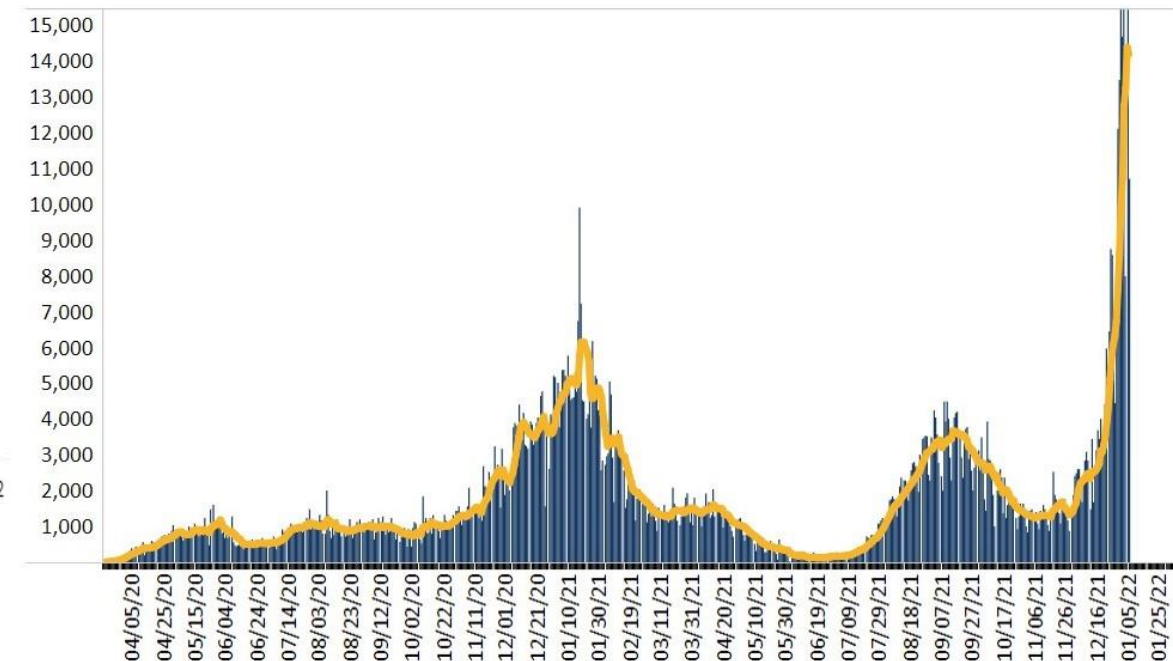
Compared to last week, **cases increased** to 14,212 (7-day MA) from 7,613 per day (**+86.7%**)

- 131% higher than the January peak of 2021
- 285% higher than the September high of 2021

- **Hospitalizations** increased to 2,479 per day (**+34.4%**)
- **\*Deaths** decreased to 25 confirmed deaths last week (**-57%**)

\*Death is now measured by date of death which is recorded by week

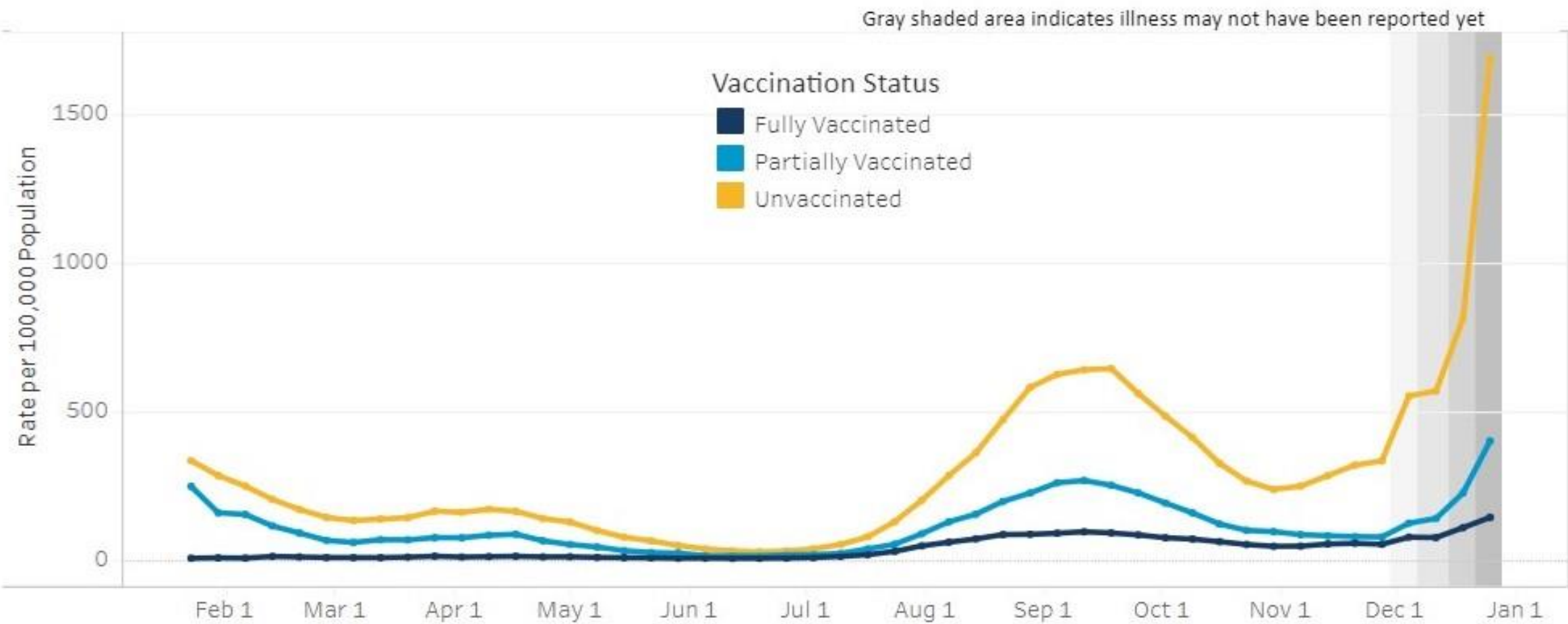
## Cases by Date Reported, All Reporting Timeline



\*VDH received cumulative death data on 12/28 totaling 185 deaths

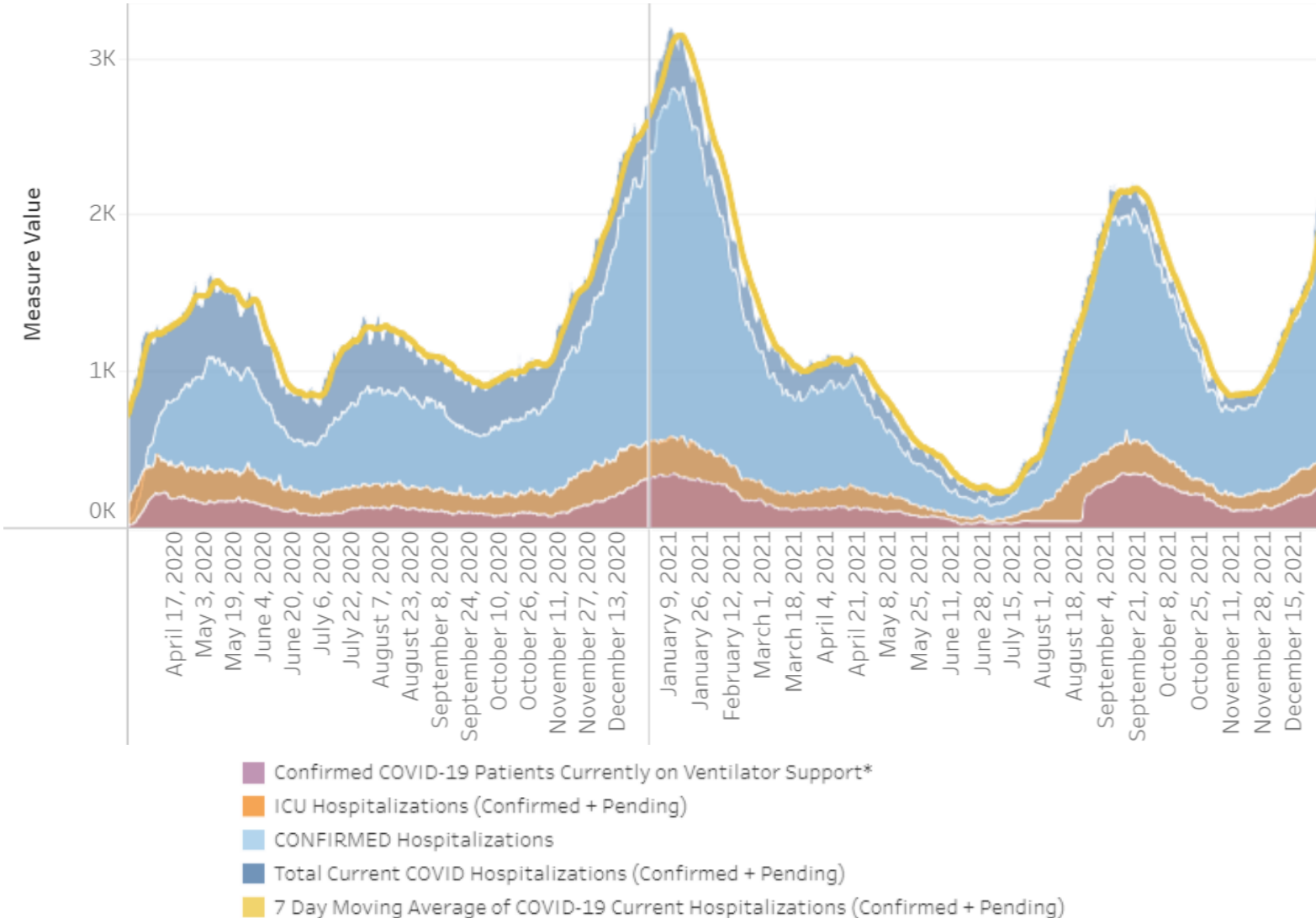
Source: [Cases – Coronavirus \(virginia.gov\)](https://www.virginia.gov/coronavirus/cases), [Cases and Deaths - Coronavirus \(virginia.gov\)](https://www.virginia.gov/coronavirus/cases-and-deaths), [VHHA Hospitalizations – Coronavirus \(virginia.gov\)](https://www.virginia.gov/coronavirus/hospitalizations), Data represent a 7-day moving average

Between 1/17/2021 and 12/25/2021, unvaccinated people developed COVID-19 at a rate **3.9 times** that of fully vaccinated people and **2.2 times** that of partially vaccinated people.‡





## COVID-19 in Virginia Hospitals



Compared to last week hospitalizations **increased to 2,479** (7-day MA) from 1,650 (+34%)

- 14% higher than the September high of 2021

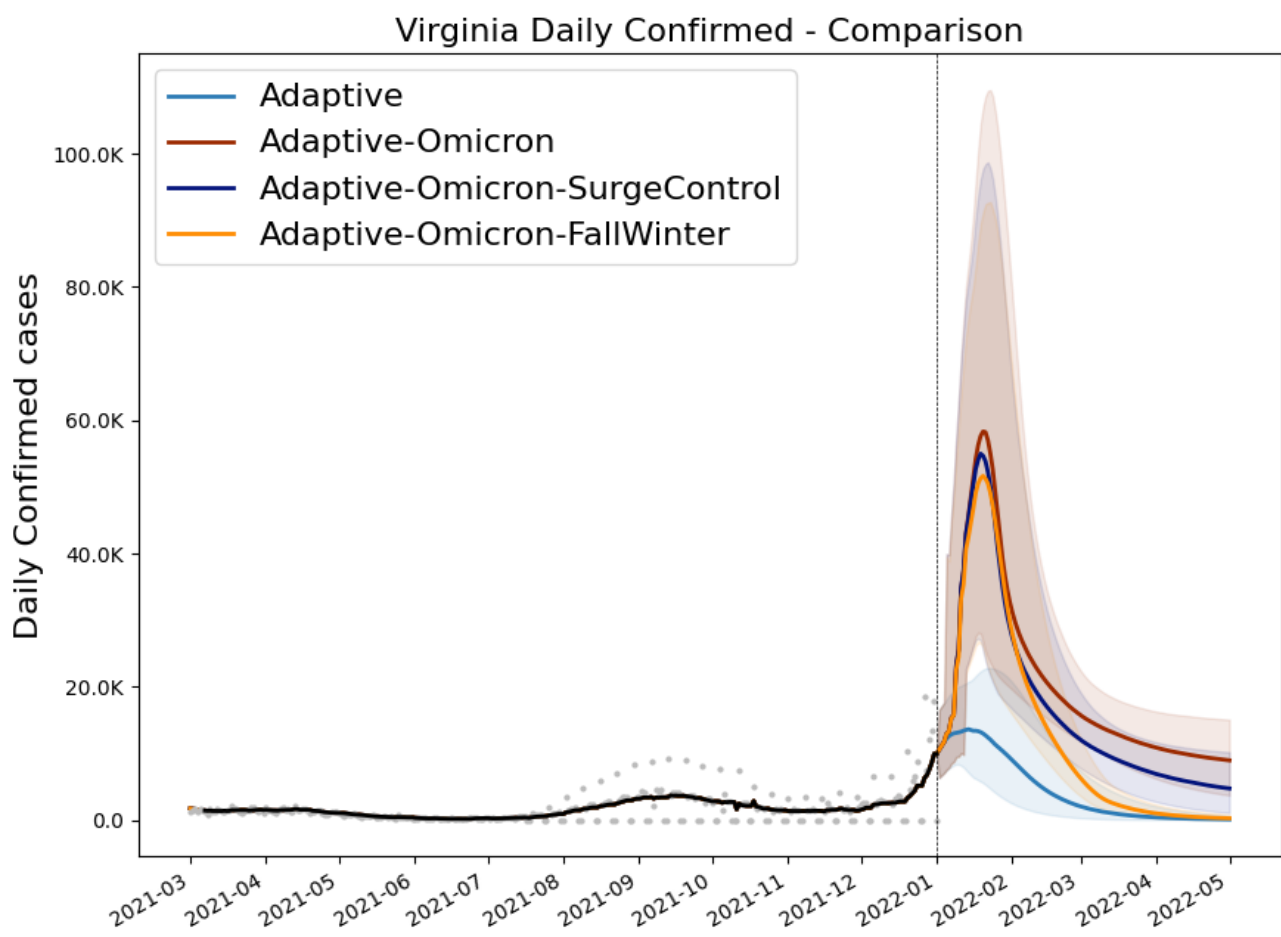
Compared to last week, ICU hospitalizations have **increased to 499** from 412 (+21%)

280 patients are currently on ventilator support

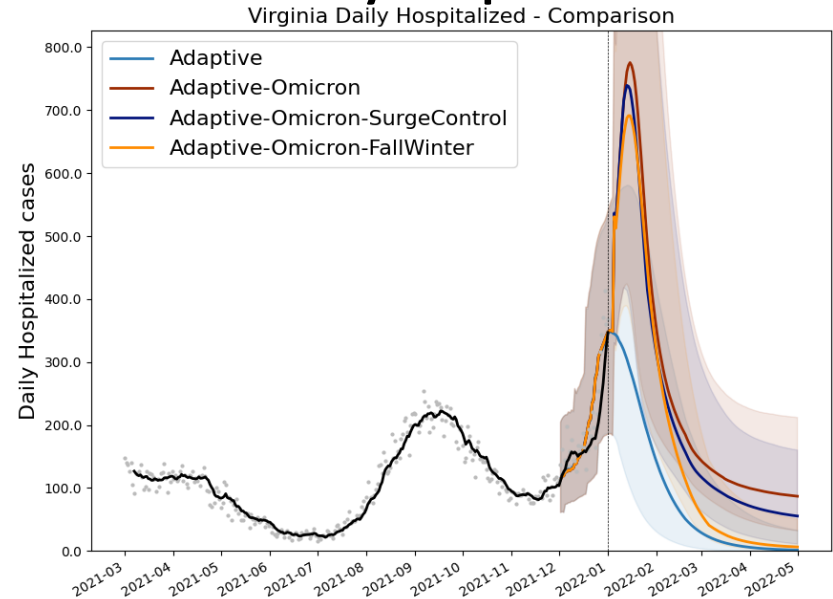
- **20% lower** than the September high of 2021

# Virginia: Outcome Projections

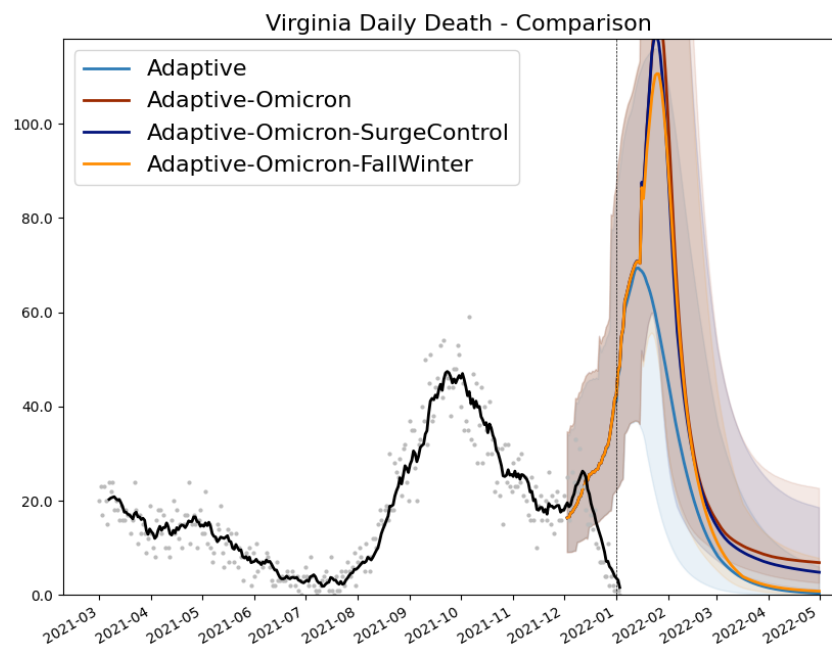
## Confirmed Cases



## Daily Hospitalized



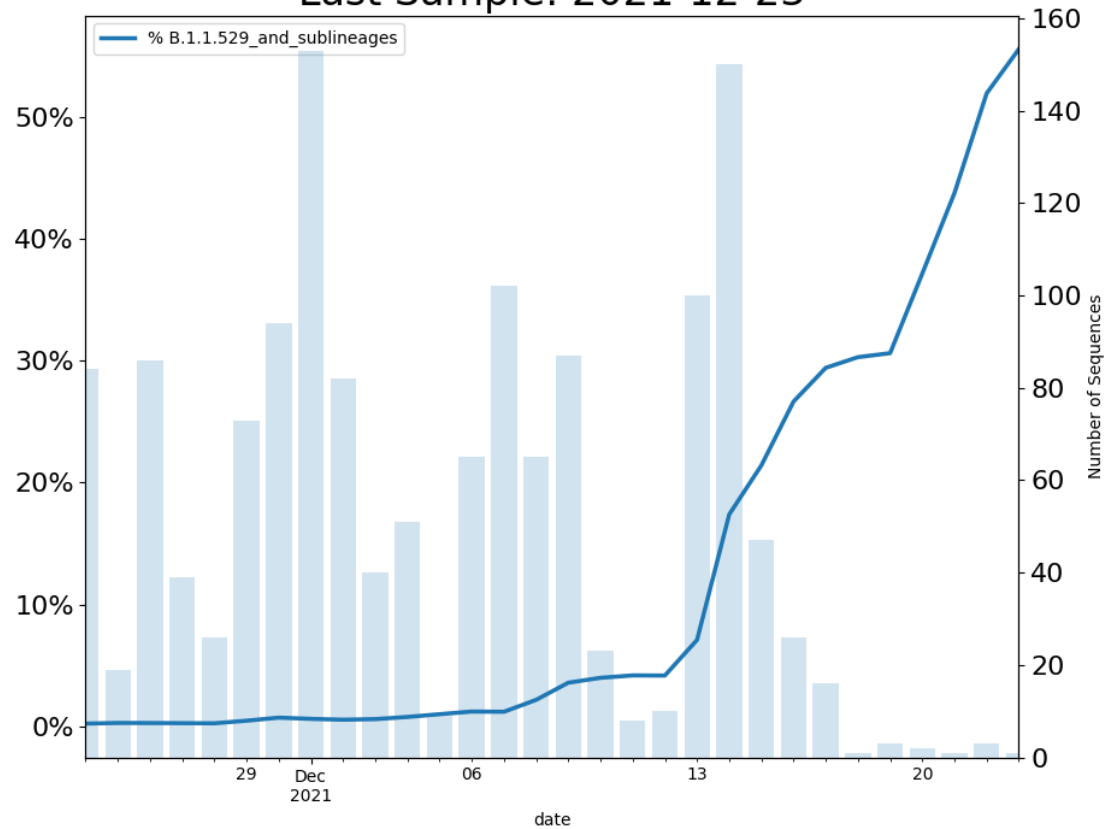
## Daily Deaths



# Virginia: SARS-CoV-2 Variants of Concern

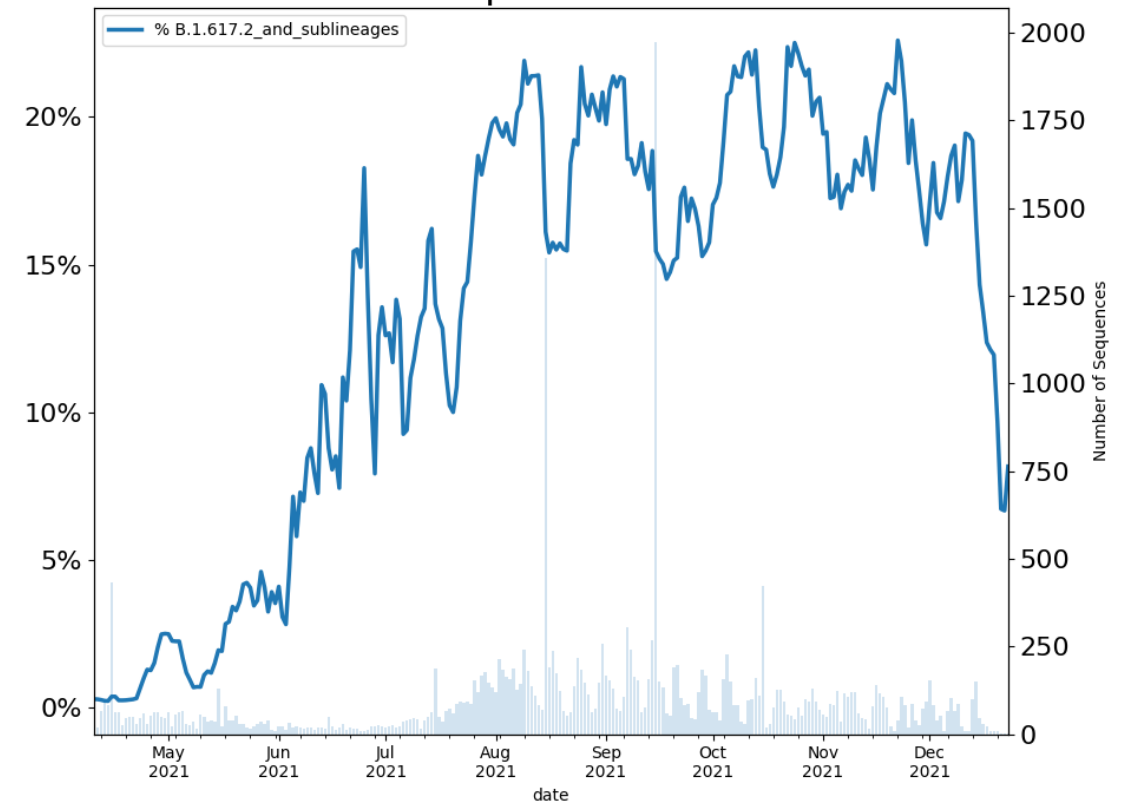
## Omicron $\omicron$ - Lineage B.1.1.529

Virginia - 55.6% (['B.1.1.529', 'BA.1'])  
Last Sample: 2021-12-23



## Delta $\delta$ - Lineage B.1.617.2

2', 'AY.1', 'AY.10', 'AY.11', 'AY.12', 'AY.2', 'AY.3', 'AY.3.1', 'AY.4', 'AY  
Last Sample: 2021-12-23



# COVID-19 Burden in Virginia LTCFs

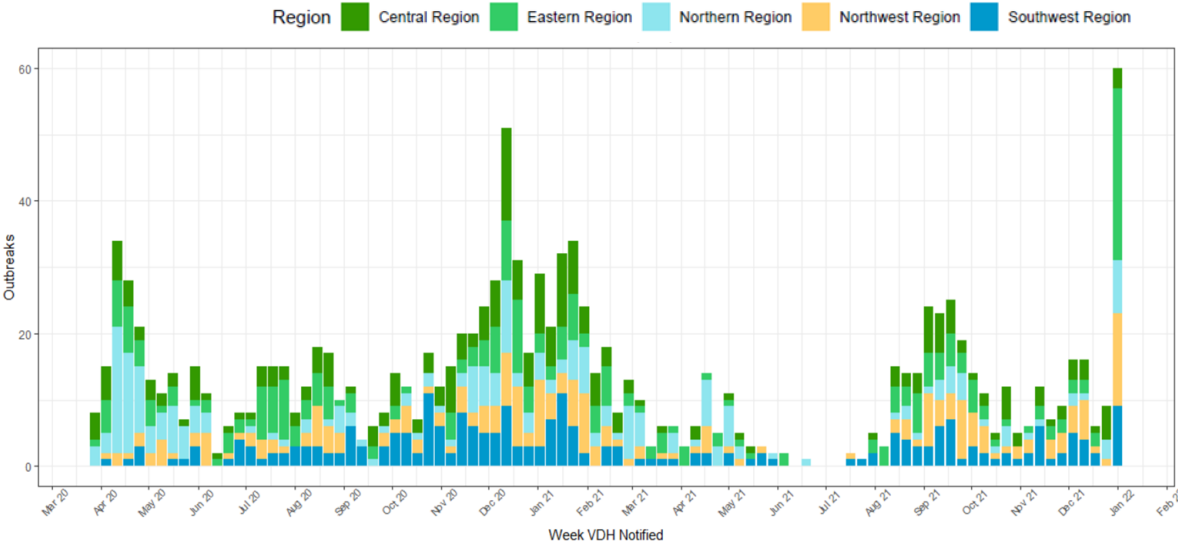
Questions can be directed to: [hai@vdh.virginia.gov](mailto:hai@vdh.virginia.gov)

Updated 1/4/2022

## Key Trends

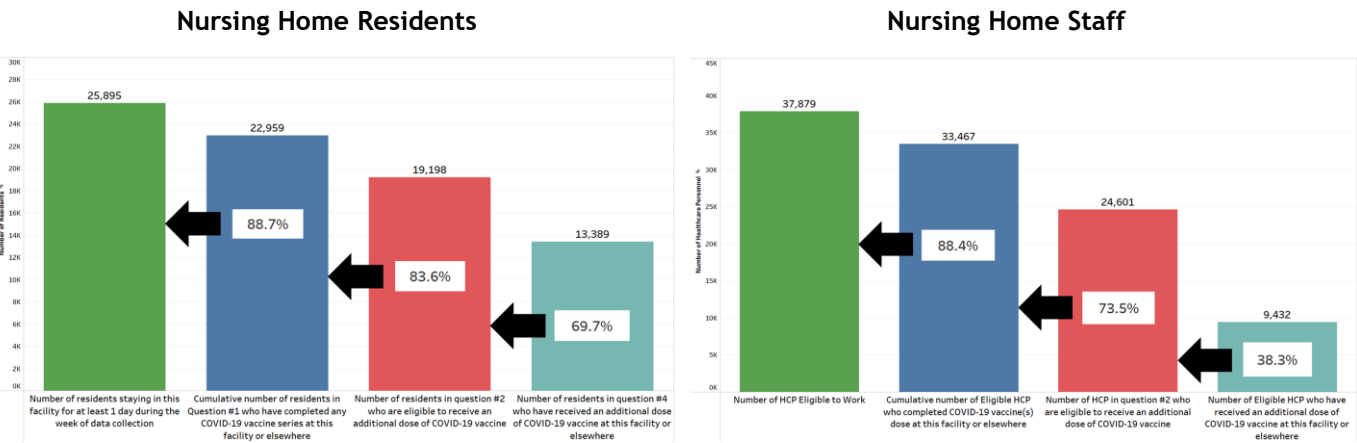
- There were **101 LTCF COVID-19 outbreaks reported in the past 30 days**: 32 in Eastern, 26 in Northwest, 15 in Central, 14 in Southwest, and 14 in Northern (see figure top right).
- The number of reported resident and staff cases have dramatically increased in the past two weeks (see figure bottom right).
  - For the reporting week ending January 2, 2022, **519 resident and 839 staff cases were reported to NHSN**. Data for this reporting week are preliminary.
- For reporting week ending December 26, 2021, data reported from 280 nursing homes showed **89% of residents were fully vaccinated**; data reported from 280 nursing homes showed **88% of staff were fully vaccinated** (see figures bottom left).
  - Of the 19,198 residents eligible to receive an additional dose or booster, 13,389 (70%) have received an additional dose or booster of COVID-19 vaccine.
  - Of the 24,601 healthcare personnel eligible to receive an additional dose or booster, 9,432 (38%) have received an additional dose or booster of COVID-19 vaccine.
  - Sixteen (6%) nursing homes reported that no eligible residents have received an additional dose or booster of COVID-19 vaccine at the time of reporting.

## Number and Region of LTCF COVID-19 Outbreaks by Date VDH Notified



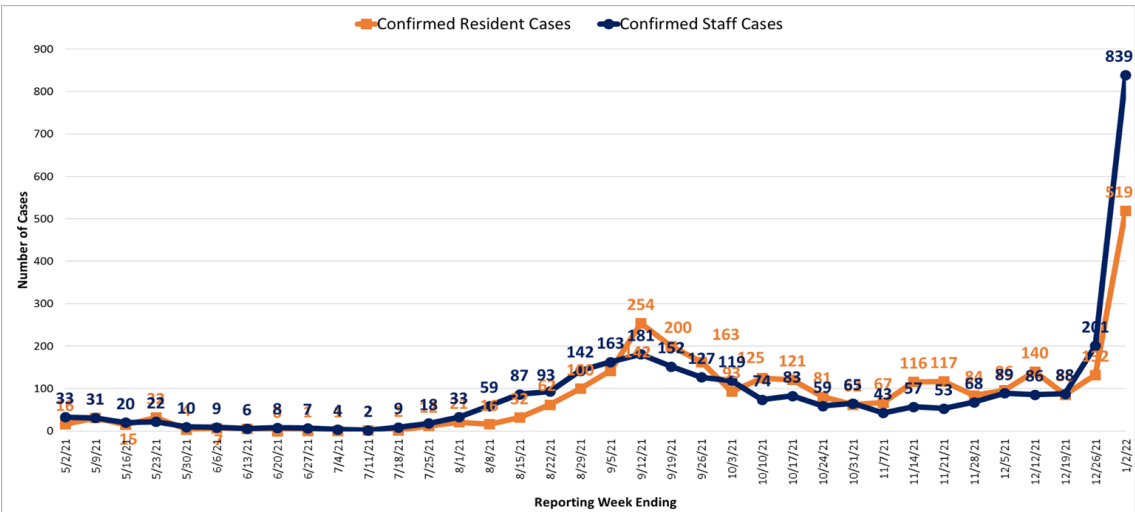
Outbreaks reported from nursing homes, assisted living facilities, and multicare facilities to VDH with a confirmed or suspected etiologic agent of SARS-CoV-2. Data are from the Virginia Outbreak Surveillance System as of 1/3/2022 and are subject to change.

## COVID-19 Booster Vaccination in Virginia Nursing Homes (n=286)



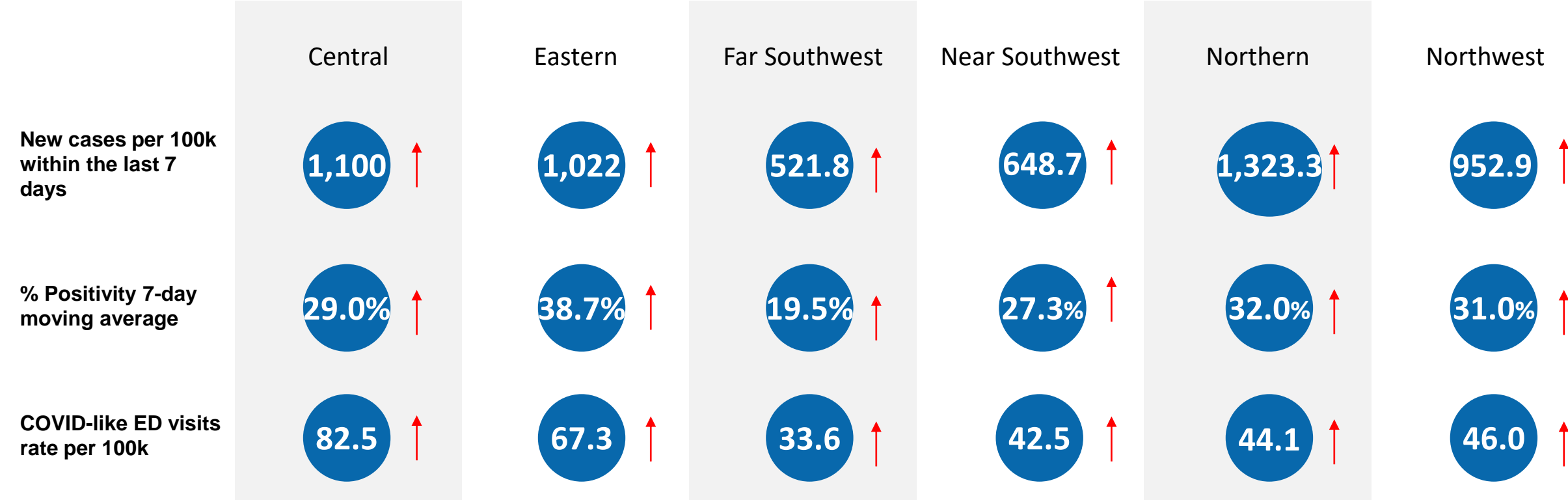
Data are from the National Healthcare Safety Network (NHSN) as of 1/4/2022 and are subject to change, including booster eligibility per [updated vaccine guidance](#). In Virginia, 280 nursing homes reported resident vaccination data for reporting week ending 12/26/2021; 280 nursing homes reported staff vaccination data for reporting week ending 12/26/2021. For staff type definitions, refer to [NHSN Table of Instructions](#).

## Nursing Home Resident and Staff COVID-19 Cases



Data are from NHSN as of 1/4/2022 and are subject to change. For reporting information, please refer to the NHSN data collection forms: [residents](#), [staff](#).

Metrics date: 1/2/2022

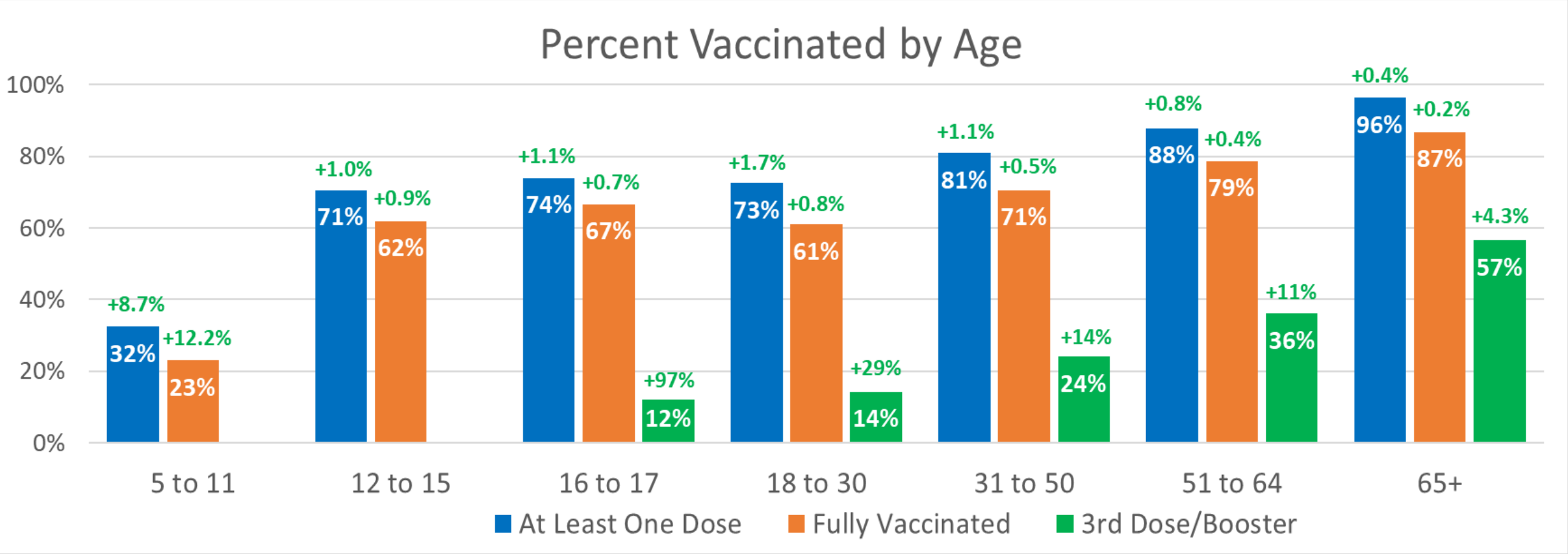


Burden	Level 0	Level 1	Level 2	Level 3	Level 4
New Cases	<10	10-49		50-100	>100
% Positivity	<3	3-5	5-8	8-10	>10
CLI ED Visits	<4		4-5.9		≥6

Symbol	Trend
↑	Increasing
↓	Decreasing
○	Fluctuating

Please note: the methods used this week have changed slightly; data is now compared from Sunday to Sunday instead of Wednesday to Wednesday



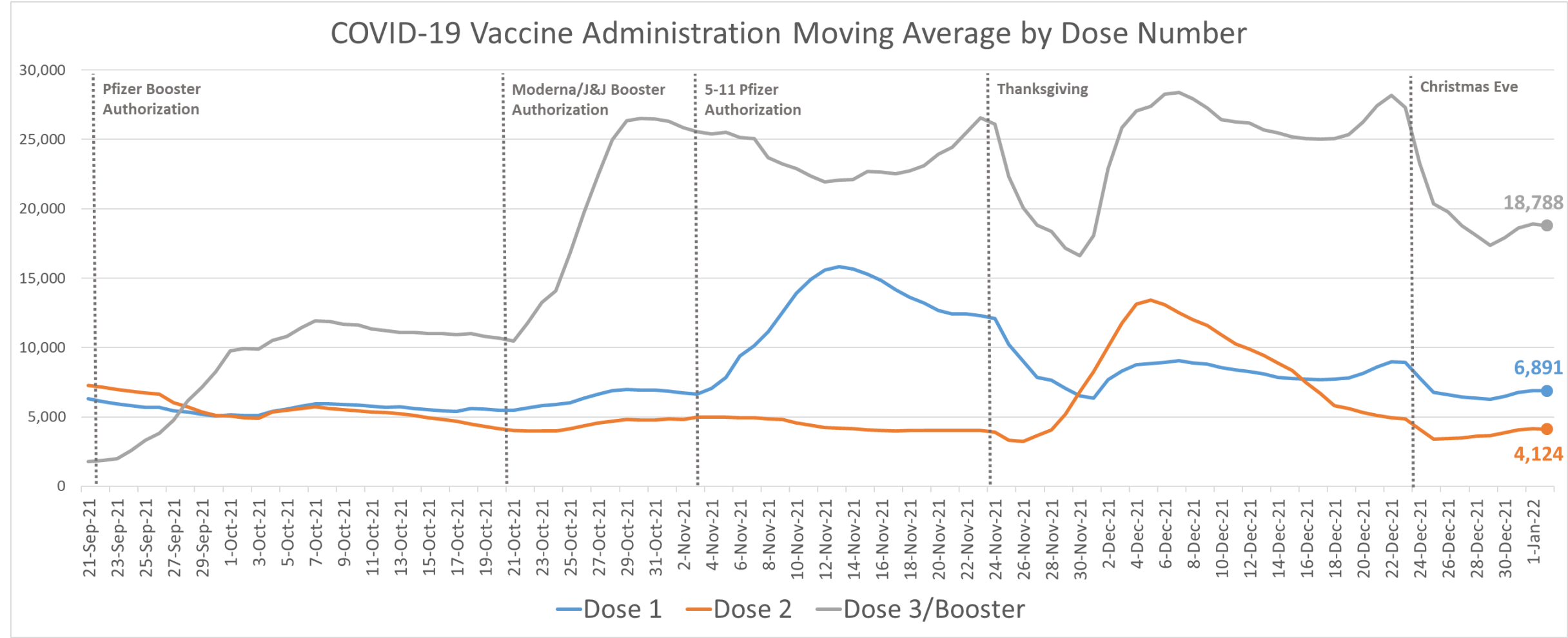


### Virginia Vaccination by Age

- ✓ **88.9% (+1.2%)** of the Adult (18+) Population Vaccinated with at Least One Dose
- ✓ **72.0% (+1.0%)** of the Eligible (5+) Population Fully Vaccinated
- ✓ **67.8% (+1.0%)** of the Total Population has been Fully Vaccinated
- ✓ **49.3% (+8.9%)** of the Eligible Population and **24.7% (+11.3%)** of Total Population Vaccinated with 3<sup>rd</sup> Dose/Booster
- Green percent represents percent increase from two weeks prior

First Dose, Second Dose, and Booster Administrations Are Slightly Increasing

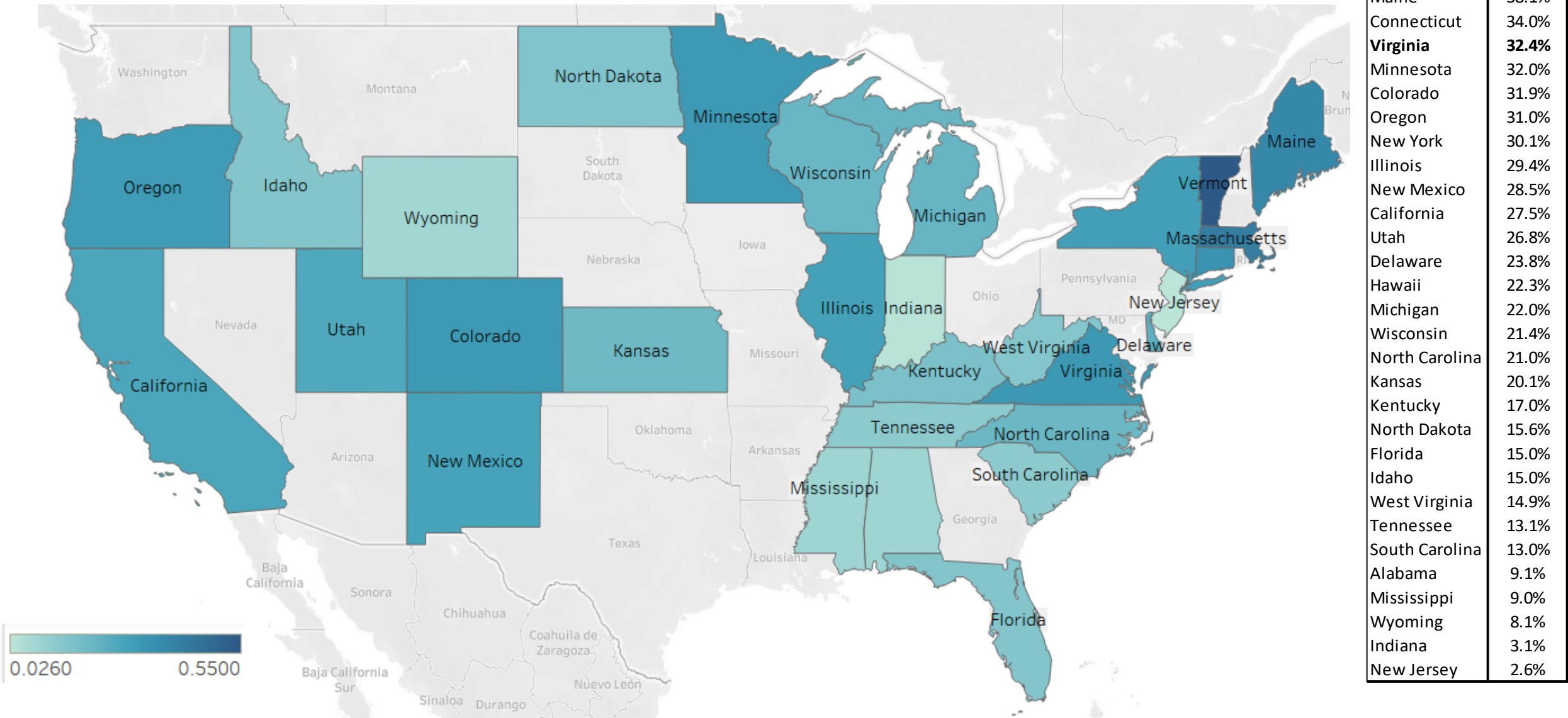
- Third Dose/Booster administrations have increased in the past few days after seeing a large decline over the winter holidays
- First Dose and Second Dose administrations have slowly increased over the past week

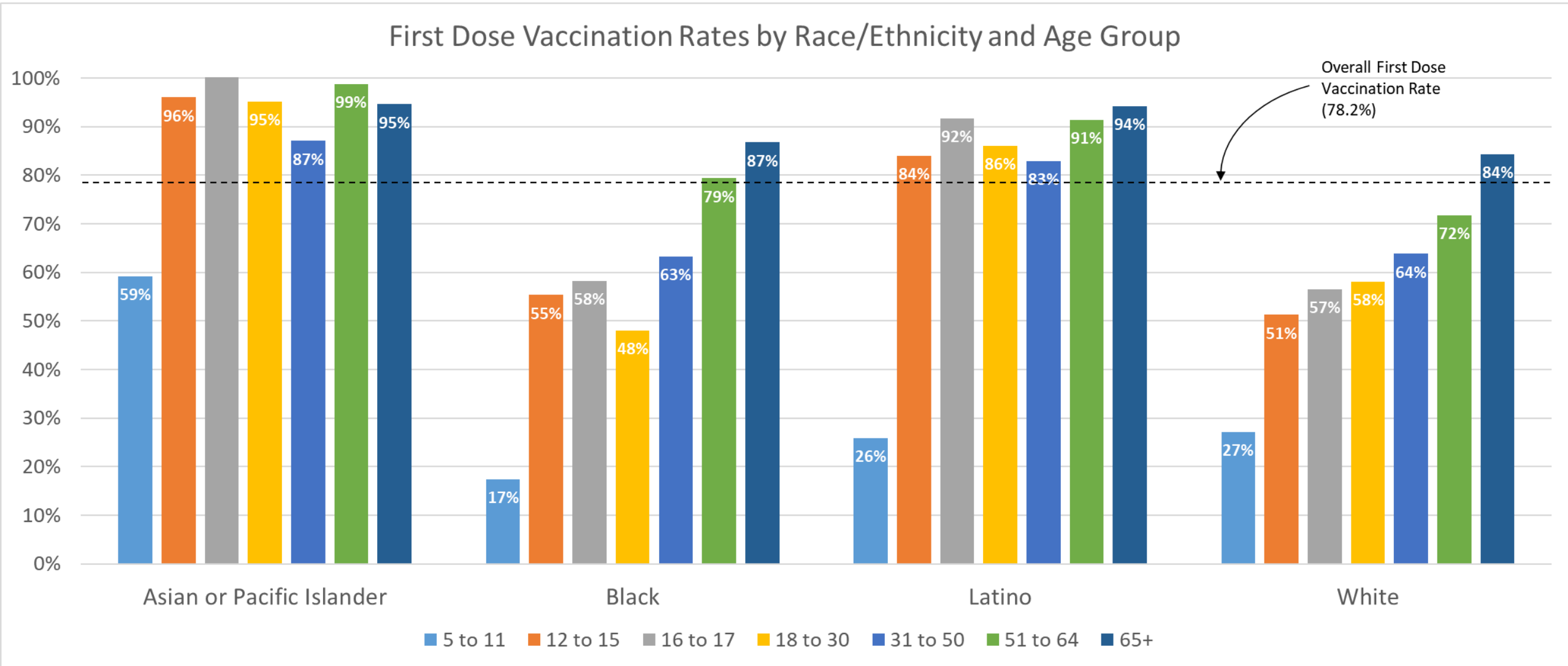


Federal doses not included in this number  
Source: [COVID-19 Vaccine Summary – Coronavirus \(virginia.gov\)](#)

Virginia has the 5<sup>th</sup> highest 5 to 11 first dose vaccination rates out of 31 reporting states

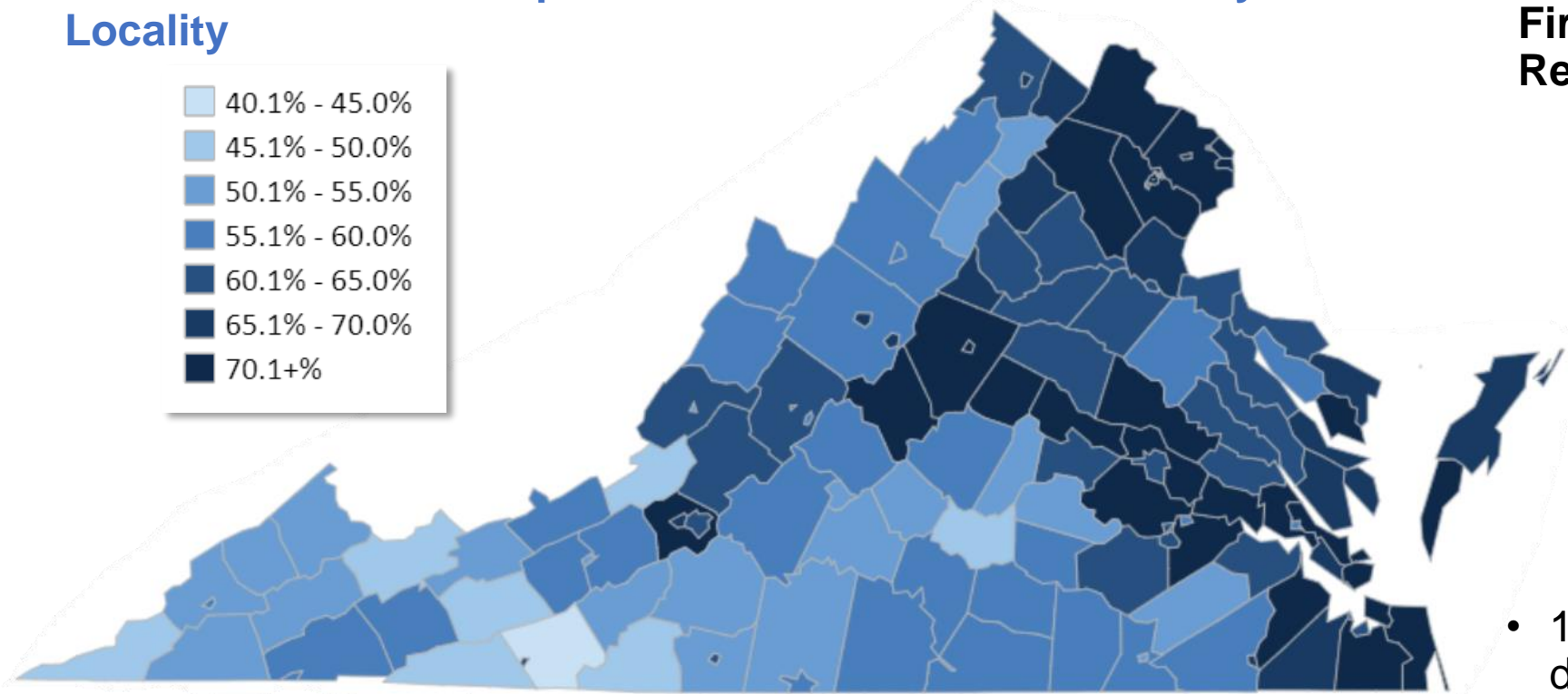
- These data are self reported by state health departments, rather than the usual CDC data comparisons





Source: [COVID-19 Vaccine Summary – Coronavirus \(virginia.gov\)](#)

Percent of the Total Population with at Least One Dose by Locality



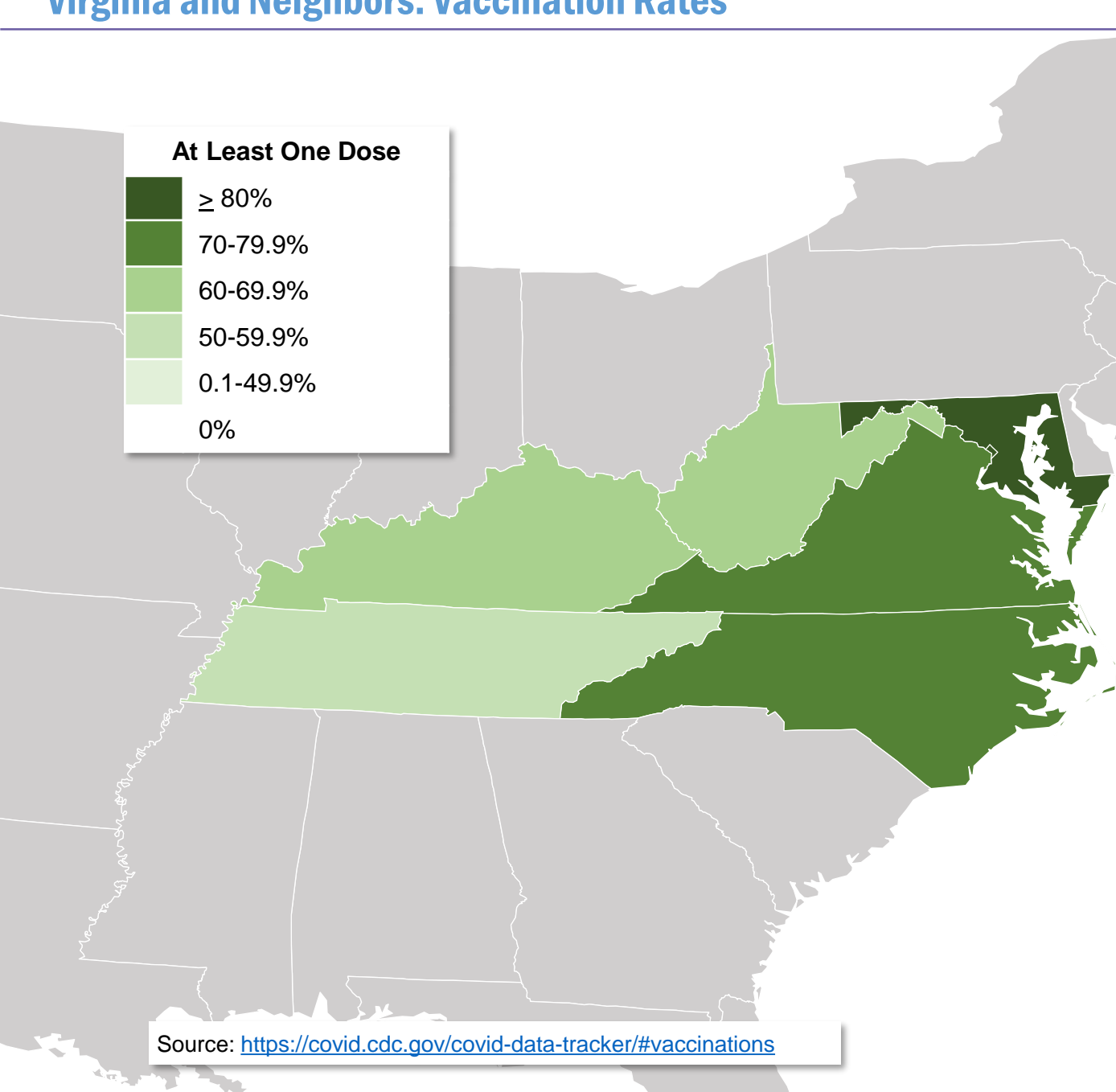
First Dose Vaccination Rate by Region for Total Population

Region Name	1st Dose Vaccination
Central	67.4%
Eastern	71.3%
Northern	81.3%
Northwest	64.9%
Southwest	56.4%

- 10 out of 133 Localities have a first dose vaccination rate below 50%
- 30 out of 133 Localities have a first dose vaccination rate above 70%
- There is a disparity across Urban and Rural areas by Age Groups, with Rural Adolescents the Lowest Vaccinated group

2013 SRHP Isserman Classification	5 to 11	12 to 17	16 to 17	18 to 30	31 to 50	51 to 64	65+	Grand Total
Mixed Urban	36%	71%	76%	73%	73%	84%	87%	65%
Urban	33%	73%	79%	65%	77%	85%	96%	75%
Mixed Rural	23%	51%	58%	57%	63%	74%	83%	61%
Rural	14%	42%	48%	51%	57%	70%	93%	74%
Grand Total	29%	65%	71%	63%	71%	80%	90%	71%





	At Least One Dose*	Fully Vaccinated*
Nationwide	73.8% (+1.7%)	62.2% (+1.0%)
D.C.	89.2% (+2.9%)	67.8% (+1.3%)
Kentucky	62.7% (+1.3%)	54.4% (+1.1%)
Maryland	80.8% (+1.6%)	70.6% (+1.0%)
North Carolina	77.1% (+3.4%)	56.9% (+1.2%)
Tennessee	59.0% (+1.2%)	51.5% (+1.0%)
Virginia**	79.5% (+1.8%)	68.2% (+1.0%)
West Virginia	62.2% (n/a)	55.2% (n/a)

\*Total population, includes out-of-state vaccinations  
\*\*Differs from previous slide because all vaccination sources (e.g., federal) are included  
\*\*\* Green percent represents percent increase from two weeks prior